

WHAT IS CLAIMED IS:

1. A process for the preparation of styrene comprising
2 dehydrating gas phase 1-phenylethanol at elevated
3 temperatures in the presence of a dehydration
4 catalyst, in which the dehydration catalyst comprises
5 shaped alumina catalyst particles having a surface
6 area (BET) of from 80 m²/g to 140 m²/g and a pore
7 volume of more than 0.65 ml/g.
1. 2. The process of claim 1 in which the alumina catalyst
2 is prepared from pseudo-boehmite.
1. 3. The process of claim 1 in which the catalyst has a
2 pore volume (Hg) of from 0.75 ml/g to 0.85 ml/g.
1. 4. The process of claim 3 in which the alumina catalyst
2 is prepared from pseudo-boehmite.